T Level: Digital Production, Design and Development

Occupational Specialism: Digital Production, Design and Development

Role Title	Working Pattern	To be agreed between the provider and employer
Junior Software Assistant	Duration	315 hours

Objective(s)		
To support the software development team by building simple software components (whether web, mobile or desktop applications) to be used by other members of the team in order to deliver a more efficient service.		

Typical Activities		
- Support the software development team, on a regular basis (at least once a week), to interpret simple software design for discrete components of a project by - taking part in team meetings to understand requirements - reviewing software designs - Support the software development team, on a regular basis (at least once a week), in the implementation of code, which other team members have specified by - identifying different ways in which risks can be assessed - receiving and confirming a brief - Support the software development team, on a regular basis (at least twice a week) in the testing of software for example, for user acceptance by - implementing a test plan - updating software testing records as appropriate		

Learning goals	TQ Reference
On the placement, the student will need to develop and hone through activity 1: **Employability Skills** - Team working: working with others with different skills, expertise and experience to accomplish a task or goal - Assessing risks: a situation, a proposal, a product or process for potential adverse effects - Designing: Develop the form of an artefact or system to achieve a defined function.	*[Insert corresponding reference from the TQ content]*

Technical Skills
- Interpreting and analysing designs based on the relevant information and suggest a preferred option
- Writing up a design based on user requirements
- Using collaboration tools to enable communication and cooperation

On the placement, the student will need to develop and hone through activity 2:

Employability Skills
- Team working: working with others with different skills, expertise and experience to accomplish a task or goal
- Assessing risks: a situation, a proposal, a product or process for potential adverse effects
- Decision making: clarifying logical choices, identifying likely impact, using evidence and advice, justifying, substantiating, concluding

Technical Skills
- Following processes such as tracking and managing changes to code or design requirements of an app
- Recording risks in different ways
- Making use of collaboration tools to enable working with a software development or project team

On the placement, the student will need to develop and hone through activity 3:

Employability Skills
- Team working: working with others with different skills, expertise and experience to accomplish a task or goal
- Decision making: clarifying logical choices, identifying likely impact, using evidence and advice, justifying, substantiating, concluding
- Solving problems: apply a logical approach to identifying issues and propose solutions

Technical Skills
- Searching for information relevant to a specific software testing issue or topic
- Creating a template to describe what needs to be done to test for example a web, mobile or desktop application
- Applying testing principles for example, in user acceptance testing

Minimum starting requirements
- Attendance at induction day   - Health and safety and security at work   - Personal security
Suggested prior learning
- Knowledge   - The fundamentals of the software development lifecycle   - The basics of code   - Business context   - risks in business   - significance of the business   - Emerging technology trends   - Sources of knowledge   - The importance of maintaining privacy and confidentiality   - The importance of testing   - An understanding of digital tools and collaborative technologies   - Typical workplace behaviours needed for role, including: - Punctuality   - Ability to work independently and to take responsibility   - Initiative   - A thorough and organised approach   - Team participation   - Confidentiality